



.....

.MA

.EN

```
RRRRRRRR MM MM SSSSSSSS CCCCCCCC AAAAAA LL LL SSSSSSSS
RRRRRRRR MM MM SSSSSSSS CCCCCCCC AAAAAA LL LL SSSSSSSS
RR RR RR MMMM MMMM SS CC AA AA LL LL SS
RR RR RR MMMM MMMM SS CC AA AA LL LL SS
RR RR RR MM MM MM SS CC AA AA LL LL SS
RRRRRRRR MM MM SSSSSS CC CC AA AA LL LL SSSSSS
RRRRRRRR MM MM SSSSSS CC CC AA AA LL LL SSSSSS
RR RR MM MM MM SS CC AAAAAAAAAA LL LL SS
RR RR MM MM MM SS CC AAAAAAAAAA LL LL SS
RR RR MM MM MM SS CC AA AA LL LL SS
RR RR MM MM SSSSSSSS CCCCCCCC AA AA LLLLLLLLLL LLLLLLLLLL SSSSSSSS
RR RR MM MM SSSSSSSS CCCCCCCC AA AA LLLLLLLLLL LLLLLLLLLL SSSSSSSS
```

```
MM MM AAAAAA RRRRRRRR
MM MM AAAAAA RRRRRRRR
MMM MMM AA AA RR RR
MMM MMM AA AA RR RR
MM MM AA AA RR RR
MM MM AA AA RRRRRRRR
MM MM AA AA RRRRRRRR
MM MM AAAAAAAAAA RR RR
MM MM AAAAAAAAAA RR RR
MM MM AA AA RR RR
MM MM AA AA RR RR
MM MM AA AA RR RR
MM MM AA AA RR RR
```

version 'V04-000'

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MODIFIED BY:

V03-003 DAS0001 David Solomon 11-Feb-1984  
Fix error in \$RMSCALLSTWO (used by \$RENAME). For the default  
values for ERR and SUC (0), it generated non-pic instructions  
(PUSHAL #0). It now generates PUSHL #0 if ERR or SUC=0.

V03-002 RAS0105 Ron Schaefer 23-Nov-1982  
Correct non-PIC references in \$RMSCALLS and \$RMSCALLSTWO  
to RMS system services. Make into general addressing.

V03-001 CWH0001 CW Hobbs 25-Sep-1982  
Standard form service calls (\$CLOSE, etc) are now  
defined in <VMSLIB.SRC>STARLET.SDL. The declarations  
in this module have been removed.

rms macro to reserve a buffer  
(kept in the interest of compatibility only!)

.MACRO \$BUFFER SIZE  
.BLKB SIZE  
.ENDM \$BUFFER



```
; no-op of $init for compatibility!  
;
```

```
.MACRO $INIT  
.PRINT ; $init macro not required!;  
.ENDM $INIT
```

```
.NLIST
```

```
;  
;$rmSCALL macro to setup arglist and call the desired routine  
;
```

```
.MACRO $RMSCALL PROC,TAB,ERR,SUC  
.GLOBL SYSS'PROC  
.IF B <TAB>  
CALLG (AP),G^SYSS'PROC  
$$TMP=0  
.IF NB <ERR>  
$$TMP=1  
.ENDC  
.IF NB <SUC>  
$$TMP=1  
.ENDC  
.IF NE $$TMP  
ERROR ; tab'= parameter missing;  
.ENDC  
.ENDC
```

```
.IF NB <TAB>  
$$TMP1=1  
.IF NB <SUC>  
PUSHAL SUC  
$$TMP1=3  
.ENDC  
.IF NB <ERR>  
PUSHAL ERR  
.IF EQ <$$TMP1-1>  
$$TMP1=2  
.ENDC  
.IFF  
.IF EQ <$$TMP1-3>  
PUSHL #0  
.ENDC  
.ENDC  
.NTYPE $$TMP2,TAB  
.IF EQ <<$$TMP2&^XF0>-^X50>  
PUSHL TAB  
.IFF  
.IF EQ <<$$TMP2&^XF0>-^X10>  
PUSHL TAB  
.IFF  
PUSHAL TAB  
.ENDC  
.ENDC
```

RMSCALLS.MAR;1

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CALLS    \$\$\$TMP1,G^SYSS'PROC  
.ENDC  
.ENDM    \$RMSCALL  
.LIST

```

: $rmcalltwo macro to setup arglist and call the desired routine
:

```

```

.MACRO $RMSCALLTWO PROC,TAB,ERR,SUC,TAB2
.GLOBL SYSS'PROC
.IF B <TAB>
CALLG (AP),G^SYSS'PROC
$$TMP=0
.IIF NB <ERR>, $$TMP=1
.IIF NB <SUC>, $$TMP=1
.IIF NB <TAB2>, $$TMP=1
.IF NE $$TMP
.ERROR                                     ; tab'= parameter missing;
.ENDC
.MEXIT
.ENDC

```

```

: NOW KNOW THAT TAB IS THERE!
:

```

```

.IF B <TAB2>                                     ; must have both pointers
.ERROR                                     ; missing parameter;
.MEXIT
.ENDC
.NTYPE $$TMP2,TAB2
.IF EQ <<$$TMP2&^XF0>-^X50>
PUSHL TAB2
.IFF
.IF EQ <<$$TMP2&^XF0>-^X10>
PUSHL TAB2
.IFF
PUSHAL TAB2
.ENDC
.ENDC
.IF IDN <SUC> <0>
PUSHL #0
.IFF
.IF NB <SUC>
PUSHAL SUC
.IFF
PUSHL #0
.ENDC
.ENDC
.IF IDN <ERR> <0>
PUSHL #0
.IFF
.IF NB <ERR>
PUSHAL ERR
.IFF
PUSHL #0
.ENDC
.ENDC
.NTYPE $$TMP2,TAB

```

```
.IF      EQ <<$$TMP2B^XF0>-^X50>
PUSHL   TAB
.IFF
.IF      EQ <<$$TMP2B^XF0>-^X10>
PUSHL   TAB
.IFF
PUSHAL  TAB
.ENDC
.ENDC
CALLS   #4,G^SYSS^PROC
.ENDM    $RMSCALLTWO
```



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VAX/VMS V4.0

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